

## **IN THE CLAIMS**

Please cancel claims 12-15.

- 1    1. (Previously Presented) An apparatus comprising:  
2            at least one processor;  
3            a memory coupled to the at least one processor;  
4            first software residing in the memory and executed by the at least one processor,  
5    the first software including a first user registry that contains a first user identity for a  
6    selected user that is used to authenticate the selected user to the first software;  
7            second software residing in the memory and executed by the at least one  
8    processor, the second software including a second user registry that contains a second  
9    user identity for the selected user that is used to authenticate the selected user to the  
10   second software; and  
11           an identity mapping mechanism that provides a mapping between the first user  
12   identity and the second user identity.
- 1    2. (Original) The apparatus of claim 1 wherein the first user registry comprises a user  
2    registry in a first processing environment.
- 1    3. (Original) The apparatus of claim 2 wherein the second user registry comprises a user  
2    registry in a second processing environment that is different than the first processing  
3    environment.

1 4. (Original) The apparatus of claim 1 wherein the identity mapping mechanism  
2 comprises:  
3 a directory service that contains a plurality of user identity mappings that correlate  
4 the first user identity in the first registry to the second user identity in the second registry,  
5 and that references the first and second user registries; and  
6 schema for the directory service that specifies relationships between a plurality of  
7 entries in the directory service, where at least one entry includes the user identity  
8 mappings.

1 5. (Original) The apparatus of claim 4 wherein the directory service comprises  
2 Lightweight Directory Access Protocol (LDAP).

1 6. (Original) The apparatus of claim 1 further comprising a global identifier residing in  
2 the memory that corresponds to the selected user, and wherein the mapping comprises a  
3 first correlation between the first user identity and the global identifier and a second  
4 correlation between the second user identity and the global identifier.

1 7. (Previously Presented) An apparatus comprising:  
2 at least one processor;  
3 a memory coupled to the at least one processor;  
4 first software residing in the memory and executed by the at least one processor,  
5 the first software including a first user registry containing a first plurality of user  
6 identities that are used to authenticate users to the first software;  
7 second software residing in the memory and executed by the at least one  
8 processor, the second software including a second user registry residing in the memory  
9 containing a second plurality of user identities that are used to authenticate users to the  
10 second software;  
11 a directory service that contains a plurality of user identity mappings that correlate  
12 a first user identity in the first user registry to a second user identity in the second user  
13 registry, and that references the first and second user registries; and  
14 schema for the directory service that specifies relationships between a plurality of  
15 entries in the directory service, where at least one entry includes the user identity  
16 mappings.

1 8. (Original) The apparatus of claim 7 wherein the first user registry comprises a user  
2 registry in a first processing environment.

1 9. (Original) The apparatus of claim 8 wherein the second user registry comprises a user  
2 registry in a second processing environment that is different than the first processing  
3 environment.

1 10. (Original) The apparatus of claim 7 wherein the directory service comprises  
2 Lightweight Directory Access Protocol (LDAP).

1 11. (Original) The apparatus of claim 7 further comprising a global identifier residing in  
2 the memory that corresponds to the selected user, and wherein the mapping comprises a  
3 first correlation between the first user identity and the global identifier and a second  
4 correlation between the second user identity and the global identifier.

1 12-15. (Cancelled)

1 16. (Previously Presented) A method for managing a plurality of user identities on a  
2 plurality of computer systems coupled to a network, each user identity corresponding to a  
3 defined processing environment, the method comprising the steps of:  
4 providing an identity mapping mechanism that provides a mapping between a first  
5 user identity in a first user registry in first software and a second user identity in a second  
6 user registry in second software, wherein the first user identity is used to authenticate a  
7 selected user to the first software and the second user identity is used to authenticate the  
8 selected user to the second software; and  
9 invoking the identity mapping mechanism to determine the mapping between the  
10 first user identity and the second user identity.

1 17. (Original) The method of claim 16 wherein the identity mapping mechanism  
2 comprises:  
3 a directory service that contains a plurality of user identity mappings that correlate  
4 the first user identity in the first registry to the second user identity in the second registry,  
5 and that references the first and second user registries; and  
6 schema for the directory service that specifies relationships between a plurality of  
7 entries in the directory service, where at least one entry includes the user identity  
8 mappings.

1 18. (Original) The method of claim 17 wherein the directory service comprises  
2 Lightweight Directory Access Protocol (LDAP).

1 19. (Previously Presented) A method for correlating a plurality of user identities on a  
2 plurality of computer systems coupled to a network, the method comprising the steps of:  
3       generating a global identifier corresponding to a user;  
4       mapping a first user identity in a first user registry in first software to the global  
5 identifier, wherein the first user identity is used to authenticate a selected user to the first  
6 software; and  
7       mapping a second user identity in a second user registry in second software to the  
8 global identifier, wherein the second user identity is used to authenticate the selected user  
9 to the second software.

1 20. (Previously Presented) A program product comprising:  
2 (A) an identity mapping mechanism that provides a mapping between:  
3 (A1) a first user identity for a selected user residing in a first user registry  
4 in first software, wherein the first user identity is used to authenticate a selected  
5 user to the first software; and  
6 (A2) a second user identity for the selected user residing in a second user  
7 registry in second software, wherein the second user identity is used to  
8 authenticate a selected user to the second software; and  
9 (B) computer-readable signal bearing media bearing the identity mapping  
10 mechanism.

1 21. (Original) The program product of claim 20 wherein the signal bearing media  
2 comprises recordable media.

1 22. (Original) The program product of claim 20 wherein the signal bearing media  
2 comprises transmission media.

1 23. (Original) The program product of claim 20 wherein the first user registry comprises  
2 a user registry in a first processing environment.

1 24. (Original) The program product of claim 23 wherein the second user registry  
2 comprises a user registry in a second processing environment that is different than the  
3 first processing environment.

1 25. (Original) The program product of claim 20 wherein the identity mapping mechanism  
2 comprises:

3 a directory service that contains a plurality of user identity mappings that correlate  
4 the first user identity in the first registry to the second user identity in the second registry,  
5 and that references the first and second user registries; and

6 schema for the directory service that specifies relationships between a plurality of  
7 entries in the directory service, where at least one entry includes the user identity  
8 mappings.

1 26. (Original) The program product of claim 20 wherein the directory service comprises  
2 Lightweight Directory Access Protocol (LDAP).

1 27. (Original) The program product of claim 20 wherein the identity mapping mechanism  
2 provides a mapping between the first user identity and the second user identity by creating  
3 a global identifier that corresponds to the selected user, and by generating a first  
4 correlation between the first user identity and the global identifier and a second  
5 correlation between the second user identity and the global identifier.



1 28. (Previously Presented) A program product comprising:  
2 (A) a directory service that contains a plurality of user identity mappings that  
3 correlate a first user identity in a first user registry in first software to a second user  
4 identity in a second user registry in second software, and that references the first and  
5 second user registries, wherein the first user identity is used to authenticate a selected user  
6 to the first software and the second user identity is used to authenticate the selected user  
7 to the second software; and  
8 (B) schema for the directory service that specifies relationships between a  
9 plurality of entries in the directory service, where at least one entry includes the user  
10 identity mappings; and  
11 (C) computer-readable signal bearing media bearing the directory service and the  
12 schema.

1 29. (Original) The program product of claim 28 wherein the signal bearing media  
2 comprises recordable media.

1 30. (Original) The program product of claim 28 wherein the signal bearing media  
2 comprises transmission media.

1 31. (Original) The program product of claim 28 wherein the first user registry comprises  
2 a user registry in a first processing environment.

1 32. (Original) The program product of claim 31 wherein the second user registry  
2 comprises a user registry in a second processing environment that is different than the  
3 first processing environment.

1 33. (Original) The program product of claim 28 wherein the directory service comprises  
2 Lightweight Directory Access Protocol (LDAP).

1 34. (Original) The program product of claim 28 wherein the plurality of user identity  
2 mappings each comprise a mapping between the first user identity and a global identifier  
3 that corresponds to the selected user, and a mapping between the global identifier and the  
4 second user identity.

### **STATUS OF THE CLAIMS**

Claims 1-34 were originally filed in this patent application. In the Amendment filed on 12/02/04, claims 1, 7, 16, 19, 20 and 28 were amended. In the pending office action, claims 12-15 were rejected under 35 U.S.C. §103(a) as being unpatentable over U.S. Patent No. 5,764,745 to Chan *et al.* (hereinafter “Chan”). Claims 1-11 and 16-34 were rejected under 35 U.S.C. §103(a) as being unpatentable over U.S. Patent Application Publication 2002/0093857 to Cole. No claim was allowed. In this amendment, claims 12-15 have been cancelled. Claims 1-11 and 16-34 are currently pending.